

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An isolated polynucleotide comprising a fragment of SEQ ID NO:2, wherein said fragment of SEQ ID NO:2 comprises the nucleotides 710-996 of SEQ ID NO:2, or the complement of said polynucleotide.

2. (Currently amended) The polynucleotide of claim 1, wherein the nucleotide sequence of said nucleotides 710-996 of SEQ ID NO:2 comprises [[a]] the nucleotides 860-996 of SEQ ID NO:2 that is homologous to or identical to a region of DNA comprising a portion of the human dystrophin gene, wherein the DNA sequence of said nucleotides 860-996 of SEQ ID NO:2 is inverted when compared to the same sequence of the human dystrophin DNA.

3. (Canceled)

4. (Canceled)

5. (Previously presented) The polynucleotide of claim 1, wherein the polynucleotide comprises a plurality of translational stop codons.

6. (Canceled)

7. (Canceled)

8. (Currently amended) The polynucleotide of claim 1, wherein the nucleotide sequence of ~~SEQ ID NO:1~~ nucleotides 860-996 of SEQ ID NO:2 codes for a plurality of translational stop codons.

9. (Currently amended) An isolated regulatory DNA element comprising nucleotides 710 to 996 of SEQ ID NO:2, or a fragment of the nucleotides 710 to 996 of SEQ ID NO:2 ~~comprising~~ wherein said fragment comprises nucleotides 850-996 of SEQ ID NO:2.

10. (Currently amended) The regulatory element of claim 9, wherein the regulatory element controls the expression of a nucleic acid sequence to which it is operably linked.

11. (Currently amended) The regulatory element of claim 9, wherein the regulatory element regulates a transcriptional start site in a nucleic acid sequence to which it is operably linked.

12. (Currently amended) The regulatory element of claim 9, wherein the regulatory element regulates translation of mRNA transcribed from a nucleic acid sequence to which it is operably linked.
13. (Previously presented) The regulatory element of claim 9, wherein the nucleotide sequence of the regulatory element codes for a plurality of translational stop codons.
14. (Currently amended) An isolated polynucleotide that hybridizes to either strand of the polynucleotide of claim 1, said isolated polynucleotide comprising an inversion start site of apo-dystrophin-4, wherein a first plurality of nucleotides in said isolated polynucleotide hybridizes 5' to said inversion start site and a second plurality of nucleotides in said isolated polynucleotide hybridizes 3' to said inversion start site, or the complement of said isolated polynucleotide.
15. (Canceled)
16. (Currently amended) A vector comprising a transcription promoter operably linked to the polynucleotide of claim 1, wherein the sequence of said ~~SEQ ID NO: 1~~ nucleotides 860-996 of SEQ ID NO:2 is inverted with respect to the sequence in normal human dystrophin.
17. (Previously presented) An isolated cell comprising the vector of claim 16.
18. (Previously presented) cell comprising the polynucleotide of claim 1 or a polynucleotide having the nucleotide sequence shown in SEQ ID NO: 1 wherein the sequence of said SEQ ID NO: 1 is inverted with respect to the sequence in normal human dystrophin.
19. (Canceled)
20. (Canceled)
21. (Canceled)
22. (Previously presented) An isolated polynucleotide comprising the DNA sequence of SEQ ID NO: 2.
23. (Previously presented) The polynucleotide of claim 22, wherein the polynucleotide codes for a polypeptide that cannot be produced in a coupled in vitro transcription-translation system in the absence of SEQ ID NO: 1 or the polynucleotide of claim 1.
- 24-40 (Canceled)
41. (Previously presented) The polynucleotide of claim 22, wherein SEQ ID NO: 2 codes for a protein or polypeptide that binds to the human CD33 protein.

42. (Previously presented) The polynucleotide of claim 22, wherein SEQ ID NO: 2 codes for a plurality of translational stop codons.

43. (Previously presented) The polynucleotide of claim 22, wherein said polynucleotide encodes a protein that is expressed on the cell surface.

44. (Previously presented) The polynucleotide of claim 1, wherein said polynucleotide is contained within a vector.